

Converting Colors

$Yxy(90.2679, 0.2976, 0.3568)$

Have a look what the booklet for
Yxy(90.2679, 0.2976, 0.3568)
contains.

Yxy(90.2990, 0.2976, 0.3566)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(90.2990, 0.2976, 0.3566)

Conversions

Conversions Part 1

Format	Color
Hex	CEFFE5
RGB	206, 255, 229
RGB Percent	81%, 100%, 90%
CMY	0.1920, 0.0000, 0.1021
CMYK	0.19, 0.00, 0.10, 0.00
HSL	148°, 100%, 90%
HSV	148°, 19%, 100%
XYZ	75.3589, 90.2990, 87.5642
YIQ	237.3850, -20.8580, -18.4740

Conversions

Conversions Part 2

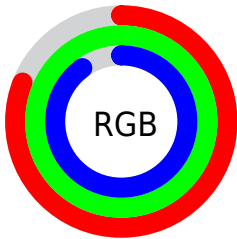
Format	Color
R _Y B	206, 239, 255
Decimal	13565925
CIE Lab	96.12, -20.50, 7.32
CIE LCh	96, 21.773, 160.346
Yxy	90.2990, 0.2976, 0.3566
Android (android.graphics.Color)	4291756005 (0xFFCEFFE5)
YUV	237.3850, -4.1338, -27.5246
Hunter-Lab	95.0258, -24.7381, 11.8836

Details

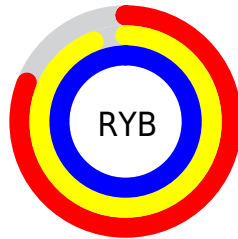
The Yxy color **90.2990, 0.2976, 0.3566** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.2466, 0.3312, 0.3030**, and the grayscale version is **85.0488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0235, 0.2938, 0.3620** is the 20% darker color. If you saturate the color by 10%, you get **86.2149, 0.2903, 0.3734**, and if you desaturate by 10%, it is **95.0397, 0.3054, 0.3415**.

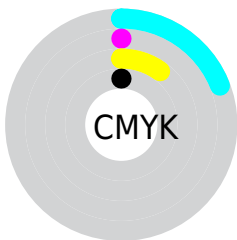
Distribution



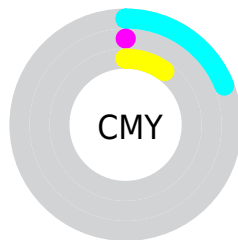
- Red (81%)
- Green (100%)
- Blue (90%)



- Red (81%)
- Yellow (94%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.2990, 0.2976, 0.3566 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 90.2990, 0.2976, 0.3566 by changing the saturation by 10% instead.


 90.2990, 0.2976,
0.3566

 90.2990, 0.2976,
0.3566


529.0030, 0.3045,
0.3441

 68.2287, 0.2961,
0.3594

147.7536, 0.3000,
0.3523

 50.0838, 0.2942,
0.3629


183.9067, 0.3009,
0.3506

 35.4800, 0.2918,
0.3672


225.5229, 0.3017,
0.3491

 24.0328, 0.2888,
0.3728

272.9865, 0.3024,
0.3479

 15.3580, 0.2847,
0.3804

326.6819, 0.3030,
0.3467

 9.0710, 0.2789,
0.3911

386.9935, 0.3035,

 4.7875, 0.2702,

0.3457

0.4073

454.3057, 0.3040,
0.3449

■ 2.1231, 0.2556,
0.4350

■ 0.6776, 0.1371,
0.6473

■ 90.2990, 0.2976,
0.3566

■ 90.2990, 0.2976,
0.3566

■ 86.2149, 0.2903,
0.3734

■ 95.0397, 0.3054,
0.3415

■ 82.7494, 0.2836,
0.3917

100.0000, 0.3127,
0.3290

■ 79.8730, 0.2781,
0.4113

■ 77.5505, 0.2739,
0.4319

■ 75.7426, 0.2715,
0.4531

■ 74.4047, 0.2711,
0.4741

■ 73.4842, 0.2727,
0.4943

■ 72.9024, 0.2760,
0.5132

■ 72.8631, 0.2763,
0.5146

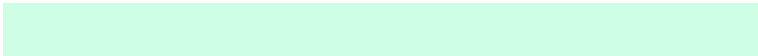
Harmonies

Analogous

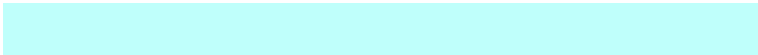
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2990, 0.3219, 0.3702



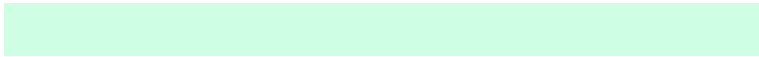
90.2990, 0.2976, 0.3566



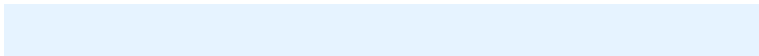
90.2990, 0.2778, 0.3349

Triad

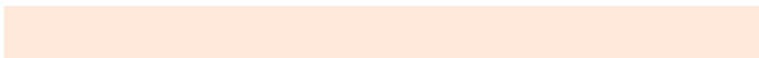
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.2990, 0.2976, 0.3566



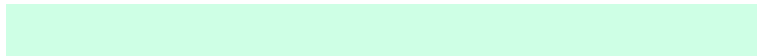
90.2990, 0.2809, 0.2885



90.2990, 0.3603, 0.3425

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



90.2990, 0.2976, 0.3566



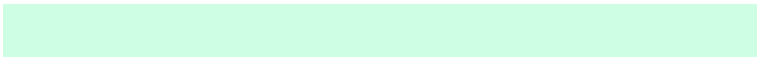
71.2466, 0.3312, 0.3030

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.2990, 0.3485, 0.3219



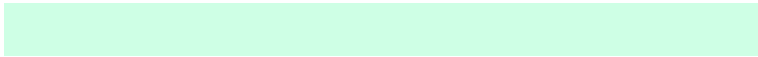
90.2990, 0.2976, 0.3566



90.2990, 0.3021, 0.2915

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



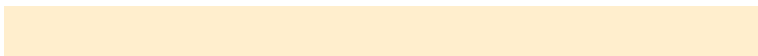
90.2990, 0.2976, 0.3566



90.2990, 0.2685, 0.2957



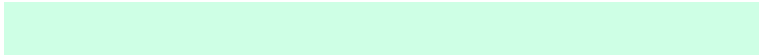
90.2990, 0.3269, 0.3036



90.2990, 0.3587, 0.3607

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



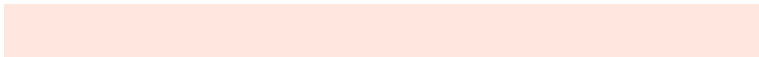
90.2990, 0.2976, 0.3566



90.2990, 0.2697, 0.3196



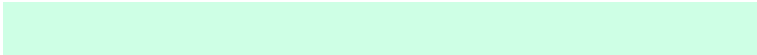
90.2990, 0.3269, 0.3036



90.2990, 0.3577, 0.3357

Sweetspot

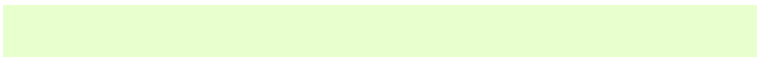
The Sweet Spot groups the original color and five complimentary colors.



90.3017, 0.2976, 0.3566



96.7000, 0.3079, 0.3370



93.1582, 0.3267, 0.3794



20.6241, 0.3074, 0.3379



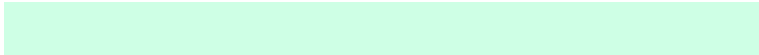
0.0000, 0.0000, 0.0000



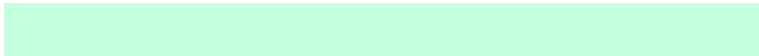
21.4041, 0.3127, 0.3290

Same Dimension

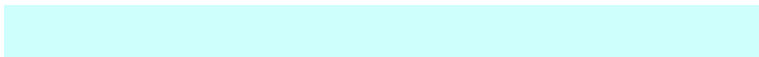
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.3017, 0.2976, 0.3566



88.6752, 0.2947, 0.3628



91.7614, 0.2847, 0.3306



20.3098, 0.3051, 0.3419



38.1021, 0.2755, 0.5116



3.7317, 0.2695, 0.4900

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



71.2466, 0.3312, 0.3030



66.4729, 0.3357, 0.2976



69.9546, 0.3495, 0.3274



18.1485, 0.3210, 0.3164



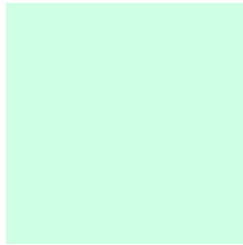
12.0612, 0.4831, 0.2435



1.1965, 0.4594, 0.2305

Previews

White Background



This preview shows how the Yxy color 90.2990, 0.2976, 0.3566 looks on a white background.

Color Contrast Check

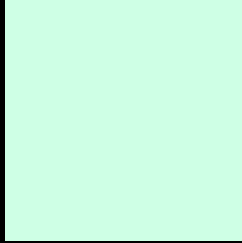
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 90.2990, 0.2976, 0.3566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

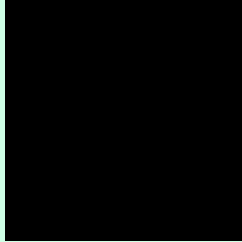
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

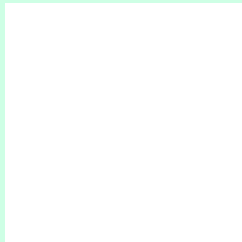
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.2990, 0.2976, 0.3566

Background



This preview shows how black text looks on a background with the Yxy color 90.2990, 0.2976, 0.3566.

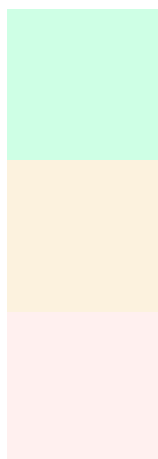


This preview shows how white text looks on a background with the Yxy color 90.2990, 0.2976, 0.3566.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

90.2990, 0.2976, 0.3566

Protanopia

89.4736, 0.3318, 0.3489

Deuteranopia

89.8122, 0.3233, 0.3300



Tritanopia

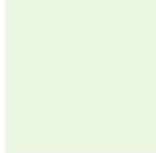
90.1205, 0.2981, 0.3200

Trichromacy



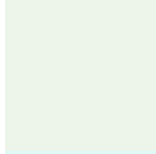
Original Color

90.2990, 0.2976, 0.3566



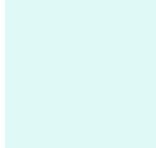
Protanomaly

89.6199, 0.3181, 0.3515



Deuteranomaly

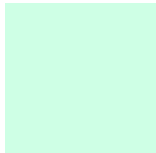
89.3075, 0.3135, 0.3391



Tritanomaly

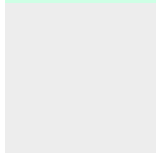
89.9348, 0.2977, 0.3320

Monochromacy



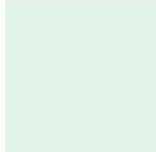
Original Color

90.2990, 0.2976, 0.3566



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.8106, 0.3071, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.2990, 0.2976, 0.3566 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(206, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 229)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(206, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 229) }
```

Border

The CSS property to change the border of an element to Yxy 90.2990, 0.2976, 0.3566 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 255, 229) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(206, 255, 229) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(206, 255, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
229) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 90.2990, 0.2976, 0.3566$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 229) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(206,  
255, 229) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor